

agMOOCs

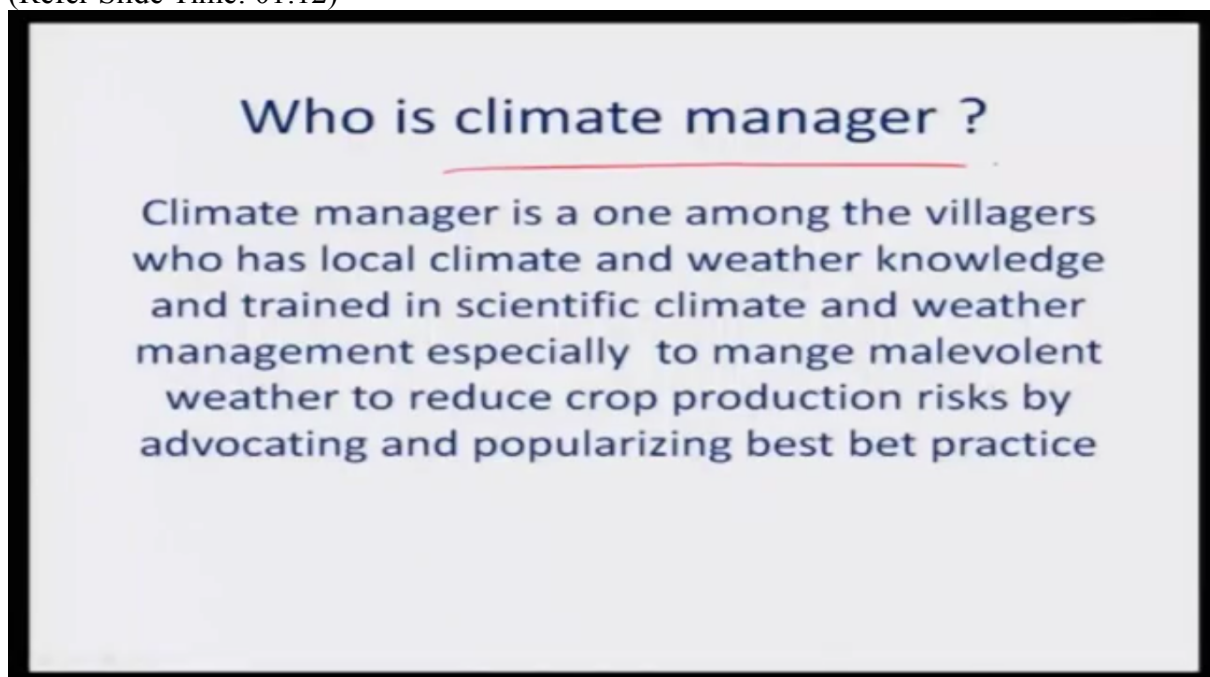
Role of climate manager on farm management decision based on weather forecast

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Dear friends, having understood the role of weather forecasts and agro advisory on reducing the crop production risk, we must also consider the role of climate managers. Professor Dr. M. S. Swaminathan, he used to say that climate managers are monsoon managers', role is very, very important in reducing the crop production risk.

So in our case also the role of climate manager is immensely required so as to take the message of agro advisory over the village level or over the block level. So under this concept we will prove something on the role of the climate manager. Before understanding the role and the characteristics requirement of the climate manager let us define who is a climate manager.

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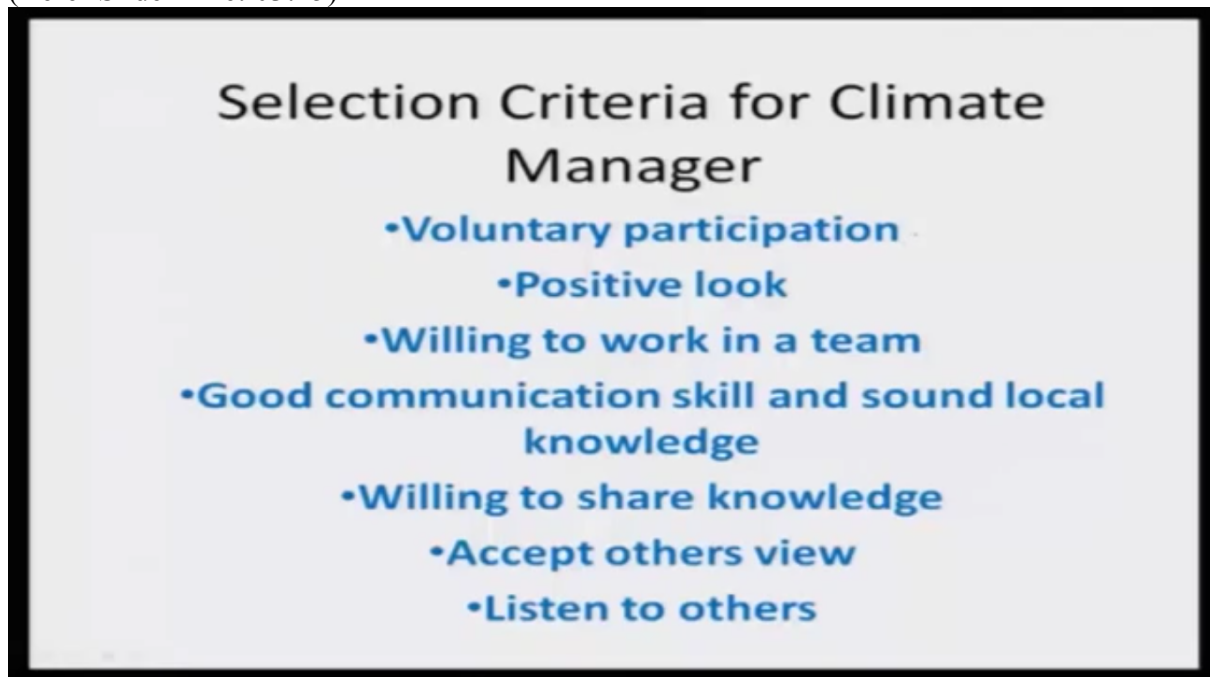


Normally this climate manager they give another terminology climate at Risk Reduction manager or climate manager anything. So he must be either climate manager or climate risk reduction manager. So climate manager is one among the villagers but who has got the abundant knowledge on local climate and weather conditions. I can say the climate of local and knowledge. Knowledge if you see the knowledge when knowledge accumulates over a threshold level and that person becomes with wisdom. When wisdom is there he must have visionary mode also. So knowledge is the basic for wisdom and the visionary mode. So if he accumulates knowledge on climate and weather at one time in future he must be a visionary for that village also and in addition to his local knowledge and local climate he must be get trained in scientific climate and weather management. So I say scientific there may be locals climate and weather management, is there any scientific way without any erosion of the resources scientific way of management and climate some is something different from the local weather and climate management.

So especially his role is required to challenge the mainly violent and weather situation, that is bad weather situations to reduce the crop production risk. So, the final aim of the climate manager is or final task of the climate manager is at mass level there must be reduction in the crop production risk. This is the mostly required. He also must popularize the best bet

practices that is suitable strategy against climate risk. So based on this let us go further on the subject. Who is the climate manager? How to select a claiming manager? Is there any hard and fast rules? Oh yes. There are some criteria to be considered if you want to make a climate team manager successful at his local domain maybe a village or a block.

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He must have a voluntary participation. He must come forward for anything and must have always positive look. If it is possible do it if you ask question yes sir it is possible. He should not have a negative aspect a positive look and willing to work in your team. You can see in many human people you might have seen many people. Those are with reservations they don't want to be mix with the people. They want to be under isolated condition. Those fellows may not be suitable for this climate manager assignment. So willing to work with a team with smiling face, good communication skill and sound local knowledge very, very important. Then willing to share knowledge when knowledge accrues means it must be shared for the benefit of others or the benefit of next generation. In meteorology what are the things you are going to leave to the next generation. How best in here you are going to share your local resources to the next generations. So like that willing to share knowledge and accept others view if somebody says something you must accept okay let me have it. Let me critically analyze. If it is good it will be taken in. So that motivation must be there and listen to others to accept other views also.

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Selection Criteria for Climate Manager

- Quick decision taking capacity ✓
- Be Accountable and responsible
 - Trust worthy
 - Task oriented
- Leadership quality
- People person

Then continuing that he must have a quick decision taking capacity. Suppose the decision is to be taken tomorrow all people must be taken plant production. He has to say sir no. If he delays for a week means the pest might have taken upper hand and there must be a crop loss. So quick decision. Once the matter is brought to his knowledge he must take a decision whether to go or not or yes or no. So that is mostly required.

Be accountable responsible. Anything happens wrong he must be responsible he accept okay it was done by me it is due to me that my mind mentality must be there. Trustworthy. He must be always honesty and trustworthy and task oriented. Everything work work, work, work workaholic in nature and leadership quality. I don't say he is to be a leader. Leadership quality then people person. One among the persons of the villagers. So these are the criteria are mostly required for a climate manager either at the village level or at block level. We can identify so easily with the community.
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Job Role of Climate Manager

- He must develop climate and weather literacy with villagers by establishing village level climate school at night
- Conducting village level pre and post seasonal climate workshop
- Establishing village level weather watch group
- Establishing village knowledge centre
- Developing village level climate atlas, crop weather calendar, weather and pest and disease diagram and getting circulated with villagers

Then what he has to do? What are his rules or tasks? First he must develop climate and weather literacy with the villagers. He must develop. People might be knowing about indigenous knowledge. Now you must educate the people on a climate and weather. Here I can quote an example for climate school at night. See this is being practiced at the Indonesia. By night they conduct the climate school regularly at the villages. It is optional. Anybody can come stay for one hour and the subject will be taught on free of cost. I had witnessed when I visited Indonesia. So I want to bring this idea to India. I submitted some project with the Department of Science and Technology. It is under the process I hope. So the leader must conduct or the climate manager must conduct climate night school at village and he must increase the literacy on the weather and climate of that local area. Then when contacting village level pre and post season workshop.

Before the season starts he must procure the information on seasonal climate or your long-range forecast discuss with the people or villagers and to make a crop plan and technology plan and execute during the forthcoming season. Then when season is completed let them analyze the post analogy what are the technologies we have adopted. What are the crops we have tried what was the result. So pre and the post seasonal analogies is required. Unless he organizes that workshop it is difficult to derive information based on the weather forecast and the growth is done at this village.

Then establishing village level watch group. He must nominate under his group of people only two to three. So monitor the clouds, monitor the rainfall, monitor the temperature either by thermal or by any capacity any tool they can monitor the weather at the particular village and the village analogy center this is a Swaminathan Research Foundation is doing good approach at every village that is a center which provides the information on weather and climate and all information they provide and they give books and all weekly publication on agriculture and social informations. So this is village knowledge center is there. Then village in the climate manager must work with the people. Develop a village level climate atlas and the crop weather calendar of the particular area. weather and pest and disease degree diagram and they calculating circulated with the villagers. So he has to prepare the local documents so that it can be circulated with the farmers to increase the literacy level. Then continuing what is next role his role.

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Job Role of Climate Manager

- Browsing web sites for medium range weather forecast and agro advisories twice in a week and village level communication by using different modes of communication
- Assessing the impact of agro advisory on crop production at village level and providing feed back to concerned institution
- Developing contingency plan for three weather codes in consultation with villagers, extension workers and scientists
- Assisting the villagers for crop and water management planning with response to forthcoming season

His role is browsing the web sites for medium range weather forecasts. For that we must provide infrastructure. So for that only I have suggested they will age knowledge center where it is provided within all computers and the internet connection. So you can browse them for the particular village or particular block the weather forecast and agro advisories twice in a week and the village level complicated by using different modes. You can paste the agro advisories in the schools or panchayat office or any meetings where people meet together. So it is a mode of communication. You can also do village is small so it can be communicated person to person. If block means so you can hire a auto put a public address system and communicate that this is a weather system you are going to face. Do this or do not. So this way he has to communicate. Then he has to assess the impact of agro advisory crop production at the village level. This is being done in the village level pre and post seasonal workshop. So this can be combined with that.

Then developing contingency plan that we discussed for three weather course, especially the draught code has for the flood code. So he is the master to prepare the contingency plan in discussion with extension and all those people. Then assisting the villager for crop and water management planning with response to forthcoming season. This was done at Andhra Pradesh in India, where village people they all join together under the leadership of a climate manager and they analyzed the rainfall. What was the rainfall and how much it goes to the ground level, what is the level of groundwater we get it and also rainfall by integrating rainfall and groundwater they have made a crop plan and it was successful. So if you do it, it is a enjoyable result we may get it.

Then this is very important. Why I talk on climate manager is having done some work on weather or forecast and the preparation of agro advisories it much reach people on in mass basis. Though the agro advisory is being given through SMS to the individual farmers, individual farmer may hesitate to take any decision. If mass communication is there then they will be taking the decision on a large scale. So climate manager does this role very well. With this I close this class. Thank you very much.